**Voltage in Electrical Systems**

**Guided Reading**

|  |  |  |  |
| --- | --- | --- | --- |
| **Introduction**  **p.72** | | | |
| **The 4 main parts of any electrical system:** | | | |
| Name | Name | Name | Name |
| Example | Example | Example | Example |
| What does it do in the circuit? | What does it do in the circuit? | What does it do in the circuit? | What does it do in the circuit? |
| **What is an electrical circuit?** | | | |
| **What’s the difference between DC and AC electricity?**  **p.72** | | | |
| **What is the typical voltage range for batteries?** | | | |
| **Dry-cell batteries** | | **Wet-cell batteries** | |
| **Primary Cells with an example** | | **Secondary Cells with an example** | |
| **How are voltage sources connected?**  **p. 73** | | | |
| **Notes**: | | | |
| **Anode** | | **Cathode** | |
| **What makes up a simple circuit?**  **p.74** | | | |
| **Notes**: | | | |
| **Schematic vs. Pictorial diagram:** | | | |
| **Draw the symbols used for each of the 4 major parts of a circuit:** | | | |
|  |  |  |  |
| **What’s the main source of AC voltage?**  **p.74** | | | |
| **Notes**: | | | |
| **Voltage acts like a force.**  **p.74 – 75** | | | |
| **Notes:** | | | |
| **What is the prime mover in electrical systems?** | | | |
| **How do we measure voltage?**  **p.75 – 76** | | | |
| **Notes**: | | | |